

Message Text

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70

ACTION EUR-25

INFO OCT-01 ISO-00 SCI-06 ACDA-19 CIAE-00 INR-10 IO-15

L-03 NSAE-00 NSC-10 RSC-01 SCEM-02 DRC-01 /093 W

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R 261730Z SEP 73

FM USMISSION EC BRUSSELS

TO AMEMBASSY STOCKHOLM

AMEMBASSY OSLO

AMEMBASSY COPENHAGEN

INFO SECSTATE WASHDC 5788

AEC GERMANTOWN 872

AMEMBASSY PARIS

UNCLAS EC BRUSSELS 5504

STOCKHOLM FOR DR. CHINN

OSLO FOR D. DONCHI

USAEC FOR W. BURKE, DIP

E.O. 11652: N/A

TAGS: TECH, SW

SUBJ: VISIT OF ATOMIC ENERGY SAFETY TEAM

REF: STOCKHOLM 3410

1. THREE-MAN AEC WATER REACTOR FUEL ELEMENT SAFETY TEAM
WISHES VISIT AB ATOMENERGI FACILITY STUDEVIK AND HALDEN REACTOR
IN NORWAY FOLLOWING SPECIALISTS MTG OCT 20-24 IN PARIS.

2. TEAM MEMBERS ARE: DR. WILLIAM V. JOHNSTON, ACTING CHIEF,
POWER BURST FACILITY, USAEC; DR. L. S. RUBENSTEIN, HEAD OF
REACTOR FUEL SECTION, REGULATORY DIRECTORATE, USAEC; AND MR. J.
R. CORCKER, PBF PROJECTS MGR, AEROJET (USAEC CONTRACTOR).

3. FOR STOCKHOLM: APPRECIATE ARRANGEMENTS MADE PER REFTTEL
FOR OCT 24-25. DISCUSSION TOPICS ARE:

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A. FLOW BLOCKAGE TESTS IN BWR'S,

B. CLADDING BEHAVIOR FOLLOWING OVERLOAD TRANSIENTS
C. INFLUENCE OF ZIRCALLOY PROCESS PARAMETER ON ACCIDENT SEQUENCES

1. CORROSION
2. HYDRIDING
3. RADIATION HARDENING

4. FOR OSLO: TEAM WISHES TO SEE MR. JAN, T. LUNDE AT HALDEN ON OCT 26-27. REQUEST THREE SINGLES /BATH AT HALDEN (PARK HOTEL IF POSSIBLE) FOR TWO NIGHTS OCT 25-26, VERY LATE ARRIVAL. DISCUSSION TOPICS ARE:

A. IN- REACTOR INSTRUMENTATION

1. SELF-POWERED NEUTRON DETECTORS
2. FUEL CENTERLINE TEMPERATURE
3. FUEL SURFACE TEMPERATURE
4. AXIAL AND RADIAL DIMENSIONS
5. DNB MONITORING

B. MECHANICAL INTERACTION BETWEEN FUEL AND CLAD

1. TIME AND POWER FOR GAP CLOSURE
2. ZIRC STRAIN LIMITS
3. LOAD FOLLOWING OR POWER SHIFT EFFECTS

C. THERMAL PERFORMANCE OF UO2 FUEL RODS

D. INFORMATION PARTICIPATION AND ORGANIZATION AT HALDEN
PLEASE CONFIRM.

5. FOR COPENHAGEN: TEAM REQUESTS HOTEL ASSISTANCE FOR LATE ARRIVAL OCT 27, ONE NIGHT ONLY. THREE SINGLES WITH BATH. NO DISCUSSIONS PLANNED. PLEASE CONFIRM.
GREENWALD

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NNN

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